

ABSTRACT

A solid oxide fuel cell is disclosed which is excellent in output performance and durability. The solid oxide fuel cell comprises at least 5 an electrolyte, an air electrode and a fuel electrode, and the air electrode includes a perovskite oxide containing at least manganese. A layer which is in contact with the fuel electrode is formed to contain 0.3 to 4 weight% of manganese in the surface facing the fuel electrode. This invention has been made basing on the finding such that, in a solid oxide fuel cell 10 having an air electrode composed of a perovskite oxide containing manganese, the manganese content in the fuel electrode side surface of a layer which is in contact with the fuel electrode greatly affects the performance of the fuel cell, and thus an excellent fuel cell can be obtained by controlling this manganese content.